

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Eisenzopf Reinhold Examiner #: 59778 Date: 3/26/03  
Art Unit: 200 Phone Number 30 \_\_\_\_\_ Serial Number: 101005-483  
Mail Box and Bldg/Room Location: PK 28A37 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

10/

US 5,982,807

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**STAFF USE ONLY**

	Type of Search	Vendors and cost where applicable
Searcher: <u>KEJ</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit <u>\$1</u>
Date Searcher Picked Up: <u>3/26</u>	Bibliographic _____	Dr. Link _____
Date Completed: <u>3/26</u>	Litigation <u>X</u>	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: <u>20</u>	Patent Family _____	WWW/Internet _____
Online Time: _____	Other _____	Other (specify) _____

Query/Command : prt max legalall

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1 / 1 PLUSPAT - ©QUESTEL-ORBIT

PN - US5982807 A 19991109 [US5982807]  
 TI - (A) High data rate spread spectrum transceiver and associated methods  
 PA - (A) HARRIS CORP (US)  
 PA0 - Harris Corporation, Palm Bay FL [US]  
 IN - (A) SNELL JAMES LEROY (US)  
 AP - US81984697 19970317 [1997US-0819846]  
 PR - US81984697 19970317 [1997US-0819846]  
 IC - (A) H04B-015/00  
 EC - H04B-001/707  
 H04L-027/18  
 PCL - ORIGINAL (O) : 375146000; CROSS-REFERENCE (X) : 370342000 375150000  
 DT - Corresponding document  
 CT - US4626796; US5103459; US5309474; US5367516; US5416797; US5497395; US5515396; US5535329;  
 US5577025; US5598154; US5621752; US5659573; US5682404; US5790534  
 Harris Corporation Application Note entitled "Harris PRISM Chip Set", No. AN9614, Mar. 1996.

Harris Corporation, "PRISM 2.4 GHz Chip Set", File No. 4063.4, Oct. 1996.

Harris Corporation Tech Brief entitled "A Brief Tutorial on Spread Spectrum and Packet Radio", No. TB337.1, May 1996.

Harris Corporation, "Direct Sequence Spread Spectrum Baseband Processor", File No. 4064.4, Oct. 1996.

STG - (A) United States patent  
 AB - A spread spectrum radio transceiver includes a high data rate baseband processor and a radio circuit connecte thereto. The baseband processor preferably includes a modulator for spread spectrum phase shift keying (PSK) modulating information for transmission via the radio circuit. The modulator may include at least one modified Walsh code function encoder for encoding information according to a modified Walsh code for substantially reducing an average DC signal component to thereby enhance overall system performance wher AC-coupling the received signal through at least one analog-to-digital converter to the demodulator. The demodulator is for spread spectrum PSK demodulating information received from the radio circuit. The modulator and demodulator are each preferably operable in one of a bi-phase PSK (BPSK) mode at a first dai rate and a quadrature PSK (QPSK) mode at a second data rate. These formats may also be switched on-the-fl; in the demodulator. Method aspects are also disclosed.

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1 / 1 LGST - ©LEGSTAT

PN - US 5982807 [US5982807]  
 AP - US 819846/97 19970317 [1997US-0819846]  
 DT - US-P  
 ACT - 19970317 US/AE-A  
 APPLICATION DATA (PATENT)  
 US 819846/97 19970317 [1997US-0819846]

19991109 US/A  
 PATENT

20020924 US/RF  
REISSUE APPLICATION FILED  
20021109

UP - 2002-39

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1 / 1 CRXX - ©CLAIMS/RRX

PN - 5,982,807 A 19991109 [US5982807]

PA - Harris Corp

ACT - 20021109 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20020924

REISSUE REQUEST NUMBER: 10/005843

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2734

Reissue Patent Number:

<=1> GET 1st DRAWING SHEET OF 8

November 9, 1999

High data rate spread spectrum transceiver and associated  
methods

REISSUE: September 9, 2002 - Reissue Application filed Ex. Gp.: 2734; Re. S.N.  
10/005,843 (O.G. September 24, 2002)

APPL-NO: 819846 (08)

FILED-DATE: March 17, 1997

GRANTED-DATE: November 9, 1999

CORE TERMS: chip, bit, demodulator, transceiver, spread, spectrum, modulator,  
phase, carrier, modified ...

ENGLISH-ABST:

A spread spectrum radio transceiver includes a high data rate baseband processor and a radio circuit connected thereto. The baseband processor preferably includes a modulator for spread spectrum phase shift keying (PSK) modulating information for transmission via the radio circuit. The modulator may include at least one modified Walsh code function encoder for encoding information according to a modified Walsh code for substantially reducing an average DC signal component to thereby enhance overall system performance when AC-coupling the received signal through at least one analog-to-digital converter to the demodulator. The demodulator is for spread spectrum PSK demodulating information received from the radio circuit. The modulator and demodulator are each preferably operable in one of a bi-phase PSK (BPSK) mode at a first data rate and a quadrature PSK (QPSK) mode at a second data rate. These formats may also be switched on-the-fly in the demodulator. Method aspects are also disclosed.

5,982,807 OR 5982807

**LEXIS-NEXIS**  
**Library: PATENT**  
**File: CASES**

Your search request has found no CASES.

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To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

5,982,807 OR 5982807

LEXIS-NEXIS  
Library: PATENT  
File: JNLS

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5,982,807 OR 5982807

**LEXIS-NEXIS**  
Library: **NEWS**  
File: **CURNWS**

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For further explanation, press the H key (for HELP) and then the ENTER key.

File 345:Inpadoc/Fam.& Legal Stat 1968-2003/UD=200311  
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Set	Items	Description
?	s pn=us 5982807	
	S1 1	PN=US 5982807
?	t 1/39/1	

1/39/1  
DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat  
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14651993  
Basic Patent (No,Kind,Date): EP 866588 A2 19980923 <No. of Patents: 004>  
Patent Family:  

Patent No	Kind	Date	Applic No	Kind	Date	
EP 866588	A2	19980923	EP 98103451	A	19980226	(BASIC)
EP 866588	A3	20021204	EP 98103451	A	19980226	
JP 10322242	A2	19981204	JP 9867463	A	19980317	
US 5982807	A	19991109	US 819846	A	19970317	

  
Priority Data (No,Kind,Date):  
US 819846 A 19970317

PATENT FAMILY:  
EUROPEAN PATENT OFFICE (EP)  
Patent (No,Kind,Date): EP 866588 A2 19980923  
HIGH DATA RATE SPREAD SPECTRUM TRANSCEIVER AND ASSOCIATED METHODS  
(English; French; German)  
Patent Assignee: HARRIS CORP (US)  
Author (Inventor): SNELL JAMES LEROY (US)  
Priority (No,Kind,Date): US 819846 A 19970317  
Applic (No,Kind,Date): EP 98103451 A 19980226  
Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR;  
IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/30  
Derwent WPI Acc No: \* G 98-483328; G 98-483328  
Language of Document: English  
Patent (No,Kind,Date): EP 866588 A3 20021204  
HIGH DATA RATE SPREAD SPECTRUM TRANSCEIVER AND ASSOCIATED METHODS  
(English; French; German)  
Patent Assignee: HARRIS CORP (US)  
Author (Inventor): SNELL JAMES LEROY (US)  
Priority (No,Kind,Date): US 819846 A 19970317  
Applic (No,Kind,Date): EP 98103451 A 19980226  
Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR;  
IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/30; H04B-001/707; H04L-012/28  
Derwent WPI Acc No: \* G 98-483328  
Language of Document: English

EUROPEAN PATENT OFFICE (EP)  
Legal Status (No,Type,Date,Code,Text):  

EP 866588	P	19970317	EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
			US 819846 A	19970317	
EP 866588	P	19980226	EP AE	EP-APPLICATION	(EUROPAEISCHE ANMELDUNG)
			EP 98103451 A	19980226	
EP 866588	P	19980923	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH	



REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC  
NL PT SE

EP 866588	P	19980923	EP AX	ERSTRECKUNG DES EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGSGEBUHREN)
EP 866588	P	19980923	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 866588	P	20021204	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
EP 866588	P	20021204	EP AX	EXTENSION OF THE EUROPEAN PATENT TO (ERSTRECKUNG DES EUROPAEISCHEN PATENTS AUF)
EP 866588	P	20021204	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 866588	P	20021204	EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))

7H 04L 27/30 A, 7H 04B 1/707 B, 7H 04L 12/28  
B

JAPAN (JP)

Patent (No,Kind,Date): JP 10322242 A2 19981204  
HIGH DATA RATE SPREAD SPECTRUM TRANSCEIVER AND ITS RELATING METHOD  
(English)  
Patent Assignee: HARRIS CORP  
Author (Inventor): SNELL JAMES LEROY  
Priority (No,Kind,Date): US 819846 A 19970317  
Applic (No,Kind,Date): JP 9867463 A 19980317  
IPC: \* H04B-001/707; H04B-001/40; H04Q-007/32; H04L-012/28  
Derwent WPI Acc No: \* G 98-483328  
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5982807 A 19991109  
HIGH DATA RATE SPREAD SPECTRUM TRANSCEIVER AND ASSOCIATED METHODS  
(English)  
Patent Assignee: HARRIS CORP (US)  
Author (Inventor): SNELL JAMES LEROY (US)  
Priority (No,Kind,Date): US 819846 A 19970317  
Applic (No,Kind,Date): US 819846 A 19970317  
National Class: \* 375200000; 375205000; 375206000; 375208000;  
375209000  
IPC: \* H04B-015/00  
Derwent WPI Acc No: \* G 98-483328  
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):  
US 5982807 P 19970317 US AE APPLICATION DATA (PATENT)  
(APPL. DATA (PATENT))  
US 819846 A 19970317

US 5982807 P 19991109 US A PATENT  
US 5982807 P 20020924 US RF REISSUE APPLICATION FILED  
(REISSUE APPL. FILED)  
20021109